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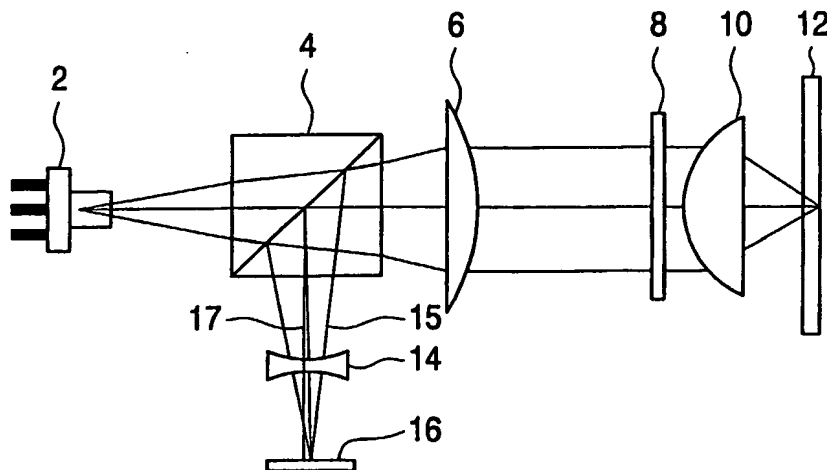
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(54) Title: OPTICAL SCANNING DEVICE WITH TILT DETECTION



(57) Abstract: This invention relates to an optical scanning device for scanning an optical record carrier and detecting a tilt characteristic of the optical record carrier during scanning. The device includes a redirecting structure (26) arranged on an objective lens (10) to redirect a part of a radiation beam, when travelling towards the record carrier, differently to a main part of the radiation beam. The redirected beam part follows a path which is different to that of a path followed by the main beam part, towards a position sensitive detector in a detection system (16).

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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 G11B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 198 916 A (KIM CHUN-DONG) 30 March 1993 (1993-03-30) column 3, line 34 - column 5, line 50; figures	1,10
X	EP 0 357 323 A (SHARP KK) 7 March 1990 (1990-03-07) page 5, column 7, line 26 - page 8, column 14, line 84; figures	1
A	US 6 298 026 B1 (TANAKA SAYOKO ET AL) 2 October 2001 (2001-10-02) column 2, line 63 - column 8, line 3; figures	1-15

☐ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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